



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/632,469	08/01/2003	Yuan-Huei Peng	DAF003 US	3021
34036	7590	01/15/2004	EXAMINER	
SILICON VALLEY PATENT GROUP LLP 2350 MISSION COLLEGE BOULEVARD SUITE 360 SANTA CLARA, CA 95054			DINH, PHUONG K	
			ART UNIT	PAPER NUMBER
			2839	

DATE MAILED: 01/15/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No. 10/632,469	Applicant(s) PENG, YUAN-HUEI	
	Examiner Phuong KT Dinh	Art Unit 2839	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 01 August 2003.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-22 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-22 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. §§ 119 and 120

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☒ All b) ☐ Some \* c) ☐ None of:  
1. ☒ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
\* See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.  
a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                  | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____  |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)         | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ | 6) <input type="checkbox"/> Other: _____                                    |

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-4, 8-16, 18-19, 20-22 are rejected under 35 U.S.C. 102(b) as being anticipated by Pepe (U. S. Patent 5,947,761).

Regarding claims 1, 10 and 21-22, Pepe (see figures 1- 6) discloses a manufacturing method of an insulation displacement connector for a conducting wire comprising step of: providing a main body 10 setting a terminal/plural terminals 52 disposed in a terminal seat integral with a locating plate 51 in the main body; placing a conductive wire 4 between the terminal 52 and the pivotable cover 16 and pivoting the pivotable cover against the main body thereby the terminal piecing into the conducting wire and electrically connecting therewith.

Regarding claim 2, Pepe discloses the main body further comprises a pivot element 30 for pivoting the pivotable cover 16 and the main body 10.

Regarding claim 3, Pepe discloses the pivotable cover 16 has a wide surface for applying a pivoting force.

Regarding claim 4, Pepe discloses the main body further comprises a mortise (or hole below 32) for fastening a tenon 88 on the pivotable cover.

Regarding claims 8 and 11, Pepe discloses the pivot element 30 is a lug for serving, as a pivoting axis of the pivotable cover and the pivotable cover further comprises a lug hole to contain the lug.

Regarding claims 9 and 12-13, Pepe discloses the pivotable cover 16 has a plurality of wire holes for passing therethrough the conducting wire 4.

Regarding claims 14-15, Pepe discloses the pivotable cover 16 further comprises a concave hollow for containing and covering the terminal seat 40.

Regarding claim 16, Pepe discloses the locating plate 51 comprises an extended tenon for fastening an internal mortise of the main body.

Regarding claim 18, Pepe discloses the terminal 52 is soldered at 60 on a printed circuit board 38 for being electrically connected to a gold-finger. For claim 19, the terminals 52 have pin-points (not numbered)

Regarding claim 20, Pepe discloses at least another the terminal.

### ***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 5-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Pepe in view of Knoll (U. S. Patent 4,029,388).

Regarding claims 5-7, Pepe discloses the claimed invention except for the terminal seat and the locating plate is injection molded with the terminals. Knoll discloses the terminal 32 is located in an injection-molding device 46 and an injection molding material is injected into the injection-molding device to form a terminal seat so that the terminal is simultaneously encapsulated and assembled with the terminal seat. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Pepe to provide the terminal and locate in an injection molding device and inject molding material into the injection molding device as taught by Knoll so as to provide encapsulate the terminals.

5. Claim 17 is rejected under 35 U.S.C. 103(a) as being unpatentable over Pepe in view of Hopfe (U. S. Patent 3,976,351).

Regarding claim 17, Pepe discloses the claimed invention except for the locating plate has a curved opening for passing therethrough a cable. Hopfe discloses a concave opening in body 10. Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Pepe to provide the concave opening in the body as taught by Hopfe so as to help the cable easy passing.

### ***Conclusion***

**Any response to this action may be mailed to:**  
**Commissioner for Patents**  
**P.O. Box 1450**  
**Alexandria, VA 22313-1450**

Art Unit: 2839

For additional information regarding this new address, which was effective May 1, 2003, see *Correspondence with the United States Patent and Trademark Office*, 68 Fed. Reg. 14332 (March 25, 2003).

**Or Faxed to:**

(703) 872-9306

**Hand-delivered responses** should be brought to:

Crystal Plaza 4, Fourth Floor (Receptionist)

2201 South Clark Place, Arlington, Virginia.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phuong KT Dinh whose telephone number is 703-308-6102. The examiner can normally be reached on 8 -5, 5 days a week.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lynn Field can be reached on 703-308-2710. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-1782.

Examiner

A handwritten signature in black ink, appearing to read 'Phuong Dinh', with a stylized flourish at the end.

**Phuong Dinh**

January 6, 2004.